

PAGE: 1

RAW SEQUENCE LISTING
PATENT APPLICATION US/09/456,693

DATE: 12/27/1999
TIME: 12:34:21

Input Set: I456693.RAW

ENTERED

This Raw Listing contains the General Information
Section and up to first 5 pages.

```

1  <110> APPLICANT: Dasa Lipovsek
2  <120> TITLE OF INVENTION: PROTEIN SCAFFOLDS FOR ANTIBODY MIMICS
3      AND OTHER BINDING PROTEINS
4  <130> FILE REFERENCE: 50036/021002
5  <140> CURRENT APPLICATION NUMBER: US/09/456,693
6  <141> CURRENT FILING DATE: 1999-12-09
7  <150> EARLIER APPLICATION NUMBER: 60/111,737
8  <151> EARLIER FILING DATE: 1998-12-10
9  <160> NUMBER OF SEQ ID NOS: 21
10 <170> SOFTWARE: FastSEQ for Windows Version 4.0
11 <210> SEQ ID NO 1
12 <211> LENGTH: 122
13 <212> TYPE: DNA
14 <213> ORGANISM: Homo sapiens
15 <400> SEQUENCE: 1
16      ggaattccta atacgactca ctatagggac aattactatt tacaattaca atgcatcacc      60
17      atcaccatca cgtttctgat gttccgaggg acctggaagt tggttgctgcg acccccacca      120
18      gc                                                                    122
19 <210> SEQ ID NO 2
20 <211> LENGTH: 104
21 <212> TYPE: DNA
22 <213> ORGANISM: Homo sapiens
23 <400> SEQUENCE: 2
24      ggaattccta atacgactca ctatagggac aattactatt tacaattaca atggtttctg      60
25      atgttccgag ggacctggaa gttgttgctg cgacccccac cagc                    104
26 <210> SEQ ID NO 3
27 <211> LENGTH: 126
28 <212> TYPE: DNA
29 <213> ORGANISM: Homo sapiens
30 <220> FEATURE:
31 <221> NAME/KEY: misc_feature
32 <222> LOCATION: (1)...(126)
33 <223> OTHER INFORMATION: n = A,T,C or G
34 <220> FEATURE:
35 <221> NAME/KEY: misc_feature
36 <222> LOCATION: (1)...(126)
37 <223> OTHER INFORMATION: s = C or G
38 <400> SEQUENCE: 3
39      agcggatgcc ttgtcgctcg ctgccttgta gtcgctcttc cctgtttctc cgtaagtgat      60
W--> 40      cctgtaatat ctsnnsnnnn nnnnnnnnnn snnccagctg atcagtaggc tgggtgggggt      120
41      cgcagc                                                                    126
42 <210> SEQ ID NO 4
43 <211> LENGTH: 62
44 <212> TYPE: DNA

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PAGE: 2

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45 <213> ORGANISM: Homo sapiens
46 <400> SEQUENCE: 4
47     agcggatgcc ttgtcgtcgt cgtccttgta gtcgctcttc cctgtttctc cgtaagtgat   60
48     cc                                                                    62
49 <210> SEQ ID NO 5
50 <211> LENGTH: 99
51 <212> TYPE: DNA
52 <213> ORGANISM: Homo sapiens
53 <400> SEQUENCE: 5
54     ggaattccta atacgactca ctataggac aattactatt tacaattaca atgcatcacc   60
55     atcaccatca cctcttcaca ggaggaaata gccctgtcc                          99
56 <210> SEQ ID NO 6
57 <211> LENGTH: 132
58 <212> TYPE: DNA
59 <213> ORGANISM: Homo sapiens
60 <220> FEATURE:
61 <221> NAME/KEY: misc_feature
62 <222> LOCATION: (1)...(132)
63 <223> OTHER INFORMATION: n = A,T,C or G
64 <220> FEATURE:
65 <221> NAME/KEY: misc_feature
66 <222> LOCATION: (1)...(132)
67 <223> OTHER INFORMATION: s = C or G
68 <400> SEQUENCE: 6
69     agcggatgcc ttgtcgtcgt cgtccttgta gtcgctcttc gtataatcaa ctccagggtt   60
W--> 70     aaggccgctg atggtagctg tsnnnsnnnn snnaggcaca gtgaactcct ggacagggct   120
71     atttctctct gt                                                         132
72 <210> SEQ ID NO 7
73 <211> LENGTH: 64
74 <212> TYPE: DNA
75 <213> ORGANISM: Homo sapiens
76 <400> SEQUENCE: 7
77     agcggatgcc ttgtcgtcgt cgtccttgta gtcgctcttc gtataatcaa ctccagggtt   60
78     aagg                                                                    64
79 <210> SEQ ID NO 8
80 <211> LENGTH: 101
81 <212> TYPE: DNA
82 <213> ORGANISM: Homo sapiens
83 <400> SEQUENCE: 8
84     ggaattccta atacgactca ctataggac aattactatt tacaattaca atgcatcacc   60
85     atcaccatca cctcttctat accatcactg tgtatgctgt c                      101
86 <210> SEQ ID NO 9
87 <211> LENGTH: 114
88 <212> TYPE: DNA
89 <213> ORGANISM: Homo sapiens
90 <220> FEATURE:
91 <221> NAME/KEY: misc_feature
92 <222> LOCATION: (1)...(114)
93 <223> OTHER INFORMATION: n = A,T,C or G
94 <220> FEATURE:

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PAGE: 3

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95 <221> NAME/KEY: misc_feature
96 <222> LOCATION: (1)...(114)
97 <223> OTHER INFORMATION: s = C or G
98 <400> SEQUENCE: 9
W--> 99      agcggatgcc ttgtcgtcgt cgtccttgta gtctgttcgg taattaatgg aaattggsnn      60
W--> 100     snnsnnnsnns nnsnnnsnns nsnnnsnnagt gacagcatac acagtgatgg tata      114
101 <210> SEQ ID NO 10
102 <211> LENGTH: 57
103 <212> TYPE: DNA
104 <213> ORGANISM: Homo sapiens
105 <400> SEQUENCE: 10
106      agcggatgcc ttgtcgtcgt cgtccttgta gtctgttcgg taattaatgg aaattgg      57
107 <210> SEQ ID NO 11
108 <211> LENGTH: 45
109 <212> TYPE: DNA
110 <213> ORGANISM: T7 phage and tobacco mosaic virus
111 <400> SEQUENCE: 11
112      gcgtaatacg actcactata gggacaatta ctatttacia ttaca      45
113 <210> SEQ ID NO 12
114 <211> LENGTH: 33
115 <212> TYPE: DNA
116 <213> ORGANISM: Artificial Sequence
117 <220> FEATURE:
118 <223> OTHER INFORMATION: Flag sequence
119 <400> SEQUENCE: 12
120      agcggatgcc ttgtcgtcgt cgtccttgta gtc      33
121 <210> SEQ ID NO 13
122 <211> LENGTH: 19
123 <212> TYPE: DNA
124 <213> ORGANISM: Artificial Sequence
125 <220> FEATURE:
126 <223> OTHER INFORMATION: Splint oligonucleotide
127 <220> FEATURE:
128 <221> NAME/KEY: misc_feature
129 <222> LOCATION: (1)...(19)
130 <223> OTHER INFORMATION: n = A,T,C or G
131 <400> SEQUENCE: 13
W--> 132     ttttttttttn agcggatgc      19
133 <210> SEQ ID NO 14
134 <211> LENGTH: 20
135 <212> TYPE: DNA
136 <213> ORGANISM: Artificial Sequence
137 <220> FEATURE:
138 <223> OTHER INFORMATION: Puromycin linker oligonucleotide
139 <400> SEQUENCE: 14
140      aaaaaaaaaa aaaaaaaaaacc      20
141 <210> SEQ ID NO 15
142 <211> LENGTH: 30
143 <212> TYPE: DNA
144 <213> ORGANISM: Mus musculus

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PAGE: 4

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| | | |
|-----|---|----|
| 145 | <400> SEQUENCE: 15 | |
| 146 | gcggcaggggt ttgcttactg gggccaaggg | 30 |
| 147 | <210> SEQ ID NO 16 | |
| 148 | <211> LENGTH: 27 | |
| 149 | <212> TYPE: DNA | |
| 150 | <213> ORGANISM: Mus musculus | |
| 151 | <400> SEQUENCE: 16 | |
| 152 | gggaggggtg gaggtaggtc acagtcc | 27 |
| 153 | <210> SEQ ID NO 17 | |
| 154 | <211> LENGTH: 30 | |
| 155 | <212> TYPE: DNA | |
| 156 | <213> ORGANISM: Mus musculus | |
| 157 | <400> SEQUENCE: 17 | |
| 158 | tttgctagct ttaccaggag agtgggaggg | 30 |
| 159 | <210> SEQ ID NO 18 | |
| 160 | <211> LENGTH: 33 | |
| 161 | <212> TYPE: DNA | |
| 162 | <213> ORGANISM: Mus musculus | |
| 163 | <400> SEQUENCE: 18 | |
| 164 | aaaaagcttg ccaaaacgac acccccatct gtc | 33 |
| 165 | <210> SEQ ID NO 19 | |
| 166 | <211> LENGTH: 33 | |
| 167 | <212> TYPE: DNA | |
| 168 | <213> ORGANISM: Mus musculus | |
| 169 | <400> SEQUENCE: 19 | |
| 170 | catatggttt ctgatattcc gagagatctg gag | 33 |
| 171 | <210> SEQ ID NO 20 | |
| 172 | <211> LENGTH: 43 | |
| 173 | <212> TYPE: DNA | |
| 174 | <213> ORGANISM: Mus musculus | |
| 175 | <400> SEQUENCE: 20 | |
| 176 | catatgcatc accatcacca tcacgtttct gatattccga gag | 43 |
| 177 | <210> SEQ ID NO 21 | |
| 178 | <211> LENGTH: 30 | |
| 179 | <212> TYPE: DNA | |
| 180 | <213> ORGANISM: Mus musculus | |
| 181 | <400> SEQUENCE: 21 | |
| 182 | gaattcctat gttttataat tgatggaaac | 30 |

VERIFICATION SUMMARY
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| Line | ? Error/Warning | Original Text |
|------|---------------------------------------|---|
| 40 | W "N" or "Xaa" used: Feature required | cctgtaatat ctsnnsnnsn nsnnsnnsnn snnccagc |
| 70 | W "N" or "Xaa" used: Feature required | aaggccgctg atggtagctg tsnnsnnsnn snnaggca |
| 99 | W "N" or "Xaa" used: Feature required | agcggatgcc ttgtcgtcgt cgtccttgta gtctgttc |
| 100 | W "N" or "Xaa" used: Feature required | snnsnnsnns nnsnnsnnsn nsnnsnnagt gacagcat |
| 132 | W "N" or "Xaa" used: Feature required | tttttttttn agcggatgc |